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		TO THE PARTY OF	ATTORNEY DOCKET NO.	CONFIRMATION NO
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		8145
09/701,747	01/29/2001	John N. Wood	620-123	
7590 03/27/2002			EXAMINER	
Nixon & Van 8th Floor			BASI, NIRMAL SINGH	
1100 North Glebe Road Arlington, VA 22201-4714			ART UNIT	PAPER NUMBER
C	•		1646	7
			DATE MAILED: 03/27/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.

Applicant(s)

09/701,747

Nirmal S. Basi

Wood et al

Office Action Summary Exam

Examiner

Art Unit

1646



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this be considered timely. communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) X Responsive to communication(s) filed on Nov 5, 2001 2b) X This action is non-final. 2a) This action is FINAL. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims is/are pending in the application. 4) X Claim(s) 1-39 4a) Of the above, claim(s) ______ is/are withdrawn from consideration. is/are allowed. 5) Claim(s) _____ 6) Claim(s) is/are rejected. is/are objected to. 7) (Claim(s) are subject to restriction and/or election requirement. 8) 💢 Claims 1-39 Application Papers 9) \square The specification is objected to by the Examiner. 10) The drawing(s) filed on ______ is/are objected to by the Examiner. 11) ☐ The proposed drawing correction filed on ______ is: a) ☐ approved b) ☐ disapproved. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). a) All b) Some* c) None of: 1. Certified copies of the priority documents have been received. 2. \square Certified copies of the priority documents have been received in Application No. $_$ 3.
Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e). Attachment(s) 18) Interview Summary (PTO-413) Paper No(s). 15) Notice of References Cited (PTO-892) 19) Notice of Informal Patent Application (PTO-152) 16) Notice of Draftsperson's Patent Drawing Review (PTO-948) 17) Information Disclosure Statement(s) (PTO-1449) Paper No(s). 20) Other:

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in response to this action, to elect a single invention to which the claims must be restricted.

- Group I. Claims 1-4, drawn to spasic protein of SEQ ID NO:2 and variants thereof.
- Group II. Claims 5-6, 10-15, 21-27 drawn to nucleic acid comprising the protein of claims 1 and 2, encoded by the nucleic acid of SEQ ID NO:1, variants thereof, vector containing said nucleic acid, cell containing said vector and methods of producing the encoded protein.
- Group III. Claims 28-30 drawn to a method of influencing the electrophysiological and or pharmacological properties of a cell using the nucleic acid of claim 5.
- Group IV. Claims 36 drawn to a method of influencing the electrophysiological and or pharmacological properties of a cell comprising modulating the activity of the protein of claims 1 or 2.
- Group V. Claim 37 drawn to a polypeptide comprising an antigen-binding site of an antibody capable of specifically binding the protein of claim 1 or 2.

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Claims 7, 8, 9, 16-20, 31-35, 38 and 39 have not been grouped because they are improper multiple dependent claims

The inventions listed as Groups I-V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The only technical feature common to present claims disclosed in the claims in parent PCT/GB01743 application is an acid sensitive cation channel protein which is capable of reversibly mediating a rapid and sustained cation current. This protein is disclosed by Rainer Waldman et al (see IDS, Nature, Vol. 386, No.6621, page 173-177, /1997, and can consequently not provide a common inventive concept for the present claims. Because the special technical feature of Group I has been found in the prior art, a technical relationship does not exist between the claimed groups. Therefore, unity of invention is lacking. Groups do not share a special technical feature in any paring because the products are structurally and functionally different and capable of separate use and manufacture. The methods of Groups III-IV do not share a special technical feature because the methods have materially different process steps using different products and each defines a separate invention over the art. Since no technical feature in any group, other than the main invention, is shared by any other invention, unity of invention is lacking.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Advisory Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nirmal Basi whose telephone number is (703) 308-9435. The examiner can normally be reached on Monday-Friday from 9:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler, can be reached on (703) 308-6564. The fax phone number for this Group is (703) 308-0294.

Official papers filed by fax should be directed to (703) 308-4242. Faxed draft or informal communications with the examiner should be directed to (703) 308-0294.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Nirmal S. Basi

Art Unit 1646 March 25, 2002 Hickor D. Pron MICHAEL PAK

PRIMARYE

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